



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

in such a manner that one of its diagonals always coincides with a chord of the circle; find the surface and the volume generated, and thence deduce the formulæ for the surface and the volume of a sphere.

*** Solutions of these problems should be sent to J. M. Colaw not later than June 10.

EDITORIALS.

Editor Finkel was elected a member of the London Mathematical Society on April 13th.

THE UNIVERSITY OF CHICAGO, SUMMER, 1899. The following Mathematical Courses will be offered: By Professor *Maschke*, Theory of Functions of a Complex Variable, Abstract Groups; Professor *Hathaway*, Quaternions, Plane Analytics; Assistant Professor *Young*, Conferences on the Pedagogy of Mathematics, Determinants; Assistant Professor *Skinner*, College Algebra; Dr. *Slaught*, Differential Equations, Differential Calculus; Dr. *Boyd*, Twisted Curves, Solid Geometry.

BOOKS.

An Introduction to the Differential and Integral Calculus and Differential Equations. By F. Granville Taylor, M. A., B. Sc., Mathematical Lecturer at University College, Nottingham. 8vo. Cloth, 592 pages. Price, 8s. London and New York: Longmans, Green & Co.

This work comprises three sections, in the first of which is given a very thorough treatment of the Differential Calculus and its applications; the second is devoted to treatment of the Integral Calculus; and the third deals with the elementary methods of solving Ordinary Differential Equations of the first and second orders. In the Differential and Integral Calculus, the author has given a few practical applications as early as possible, in order that the beginner may have some notion of the uses to which the Calculus may be put. Curve Tracing receives a good deal of attention; Hyperbolic Functions and their differentiation have received due consideration. Throughout the work, numerous examples are given, these being well selected and graded in a way to stimulate and inspire the student. The subject of the Calculus as presented in this work is clear and simple, and is a worthy rival of the many valuable works on this subject. B. F. F.

A Text-book of General Physics for the use of Colleges and Scientific Schools. By Charles S. Hastings, Ph. D., and Frederic E. Beach, Ph. D., of Yale University. 8vo. Half Leather Back, v+768 pages. Price, \$2.95. Boston: Ginn & Co.

In this book, the fact is emphasized that a knowledge of Elementary Mechanics is the logical basis of the whole science of Physics. With this in view, we find here a more complete treatment of Mechanics than is ordinarily the case, especially in the physical notions which attach to the simplest cases of the action of force. Numerous problems are appended to the various chapters, the solutions of which will go far towards impressing the principles upon the mind of the student. The method of presenting the subject of Physics as here given is very good. B. F. F.